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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/709,060	
	Filing Date	April 9, 2004	
	First Named Inventor	Michael John Collins, Jr.	
	Art Unit	3742	
	Examiner Name	Quang T. Van	
Total Number of Pages in This Submission	48	Attorney Docket Number	1700.133A

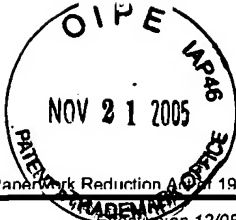
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Return Receipt Postcard
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Summa, Allan & Additon, P.A.		
Signature	<i>Marcia T. Greci</i>		
Printed name	Marcia T. Greci		
Date	November 18, 2005	Reg. No.	54,717

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature	<i>Patricia Summers</i>		
Typed or printed name	Patricia Summers	Date	11/18/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Expires on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

**Complete if Known**

Application Number	10/709,060
Filing Date	04/09/2004
First Named Inventor	Michael John Collins, Jr.
Examiner Name	Quang T. Van
Art Unit	3742
Attorney Docket No.	1700.133A

**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☐ Deposit Account Deposit Account Number: 50-0332 Deposit Account Name: Summa Allan & Additon PA

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☐ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 20 or HP = _____	x _____	= _____	

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 3 or HP = _____	x _____	= _____	

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Filing Supplemental IDS under 37 CFR 1.17(p)

Fees Paid (\$)

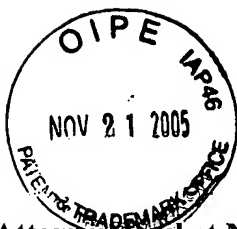
180.00

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 54,717	Telephone 704-945-6709
Name (Print/Type)	Marcia T. Greci		Date November 18, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No. 1700.133A  
Confirmation No. 3059

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Michael John Collins Jr.

Group Art Unit: 3742

Serial No. 10/709,060

Filed: April 9, 2004

Examiner: Quang T. Van

For: CONTROLLED FLOW INSTRUMENT FOR MICROWAVE  
ASSISTED CHEMISTRY WITH HIGH VISCOSITY LIQUIDS  
AND HETEROGENEOUS MIXTURES

November 18, 2005

Mail Stop: Amendments  
Commissioner for Patents  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**CITATION UNDER 37 C.F.R. 1.97 and 37 CFR 1.17(p)**

Sir:

Attached is a list of documents on Form PTO/SB/08A. Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart foreign application, namely the International Search Report for International Application Number PCT/US2005/012299, and the Annex to the European Search Report on European Patent Application EP 04 25 5117, not more than three months prior to the filing of this Information Disclosure Statement. We enclose a copy of both the International Search Report and the Annex to the European Search Report for your review.

We have included one U.S. patent document cited in an Office Action dated October 17, 2005 in U.S. Serial No. 11/151,500, a continuation application, issued by same Examiner.

We also enclose a copy of the cover page of the third European publication of the parent application. This copy was submitted with the Supplemental IDS submitted October 14, 2005, but was not listed on the PTO/SB/08A form. Thus, we have listed this document as the last item (#31) on the enclosed form.

Further, we enclose a check to cover the required fee for filing this Supplemental IDS under 37 CFR 1.17(p).

11/22/2005 SSSESHE1 00000002 10709060 180.00 0P  
01 FC:1806

In re: Michael John Collins, Jr.  
Serial No. 10/709,060  
Filed: April 9, 2004  
Page 2

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and MPEP § 609.

Respectfully submitted,

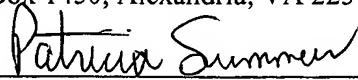


Marcia T. Greci  
Reg. No. 54,717

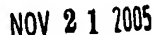
021176  
Summa, Allan & Additon, P.A.  
11610 North Community House Road, Suite 200  
Ballantyne Corporate Place  
Charlotte, North Carolina 28277-2162  
Telephone: 704-945-6700  
Facsimile: 704-945-6735  
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CERTIFICATE OF MAILING

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Patricia Summers



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Substitute for form 1449A/PTO

*(Use as many sheets as necessary)*

Sheet

1

of

1

**Complete if Known**

Application Number

10/709.060

Filing Date

April 9, 2004

**First Named Inventor**

Collins, Jr. et al.

## Art Unit

3742

Examiner Name

Quang T. Van

Attorney Docket Number

1700.133A

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	27	DE 197 00 499 A1	06-25-1998	Mikrowellen-Systeme		
	28	WO 93/05345 A	03-18-1993	Commonwith Scient		
	29	EP 0455513	06-11-1991	CEM Corporation		
	30	EP 0335020	04-10-1989	Savillex Corportion		
	31	EP 1547681 A3	09-07-2005	CEM Corporatoin		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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